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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/774,608	02/10/2004	Tae-Ho Lee	P57022	1676

7590 12/14/2005  
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1522 K Street, N.W.  
Washington, DC 20005-1202

EXAMINER

PATEL, VIP

ART UNIT	PAPER NUMBER
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2879

DATE MAILED: 12/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**SUPPLEMENTAL<sup>1</sup>**  
**Office Action Summary**

Application No.

10/774,608

Applicant(s)

LEE, TAE-HO

Examiner

Vip Patel

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☐ Claim(s) \_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date: \_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_

### **Specification**

The specification is objected for following reasons.

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed (see MPEP 606.01).

A new title such as ---PLASMA DISPLAY PANEL WITH OPEN AND CLOSED DISCHARGE CELLS --- is suggested.

### **Claim Rejections - 35 USC § 102**

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-11 are rejected under 35 U.S.C. § 102(e) as being anticipated by Huang et al (US 6525469).

Regarding claim 1, Huang discloses a plasma display panel (see figure 2 and 3) comprising a first substrate (42), a second substrate (44) forming a gap there between, and barrier ribs (56, 66) forming a plurality of discharge cells (line 2 of column 4). At least one row (where 60R is pointing) of every three rows of the discharge cells is arranged in an open configuration to form an open discharge cell. The other rows (where 60G and 60B are pointing) of the discharge cells, excluding the at least one row, are arranged in a closed configuration (note, a middle row, in figure 2, where 60G is pointing, is partially closed/restricted with walls 64 and an end row, where 60B is pointing, is completely closed with walls 66) to form closed discharge cells.

Regarding claims 2, the plasma display panel of Huang discloses a first, second, and third phosphor films (60R, 60G, and 60B) arranged in open, closed, and closed discharge cell, respectively.

Regarding claim 3, in figure 2, the first, second, and third phosphor film of Huang discloses red, green, and blue phosphor films, respectively.

Regarding claim 4, in figure 3, the open discharge cells and the closed discharge cells of Huang are arranged in a repeated predetermined pattern.

Regarding claim 5, the open discharge cells and the closed discharge cells of Huang are arranged in a stripe pattern and quadrilateral shapes (see figure 2).

Regarding claims 6-7, the closed discharge cells of Huang are defined by first barrier ribs (56) arranged in lattice configuration and the open discharge cells of Huang are defined by spaces formed by the first barrier ribs (see figure 2). As per claim 7, Huang also discloses second barrier ribs (66) arranged in the spaces (see figure 2).

Regarding claim 8, in figure 3, Huang shows one cell unit comprising two rows of closed discharge cells and one row of open discharge cells and repeating this pattern.

Regarding claim 9, in figure 2, Huang shows one cell unit including one row of closed discharge cells ((where 60B is pointing) and tow rows of open discharge cells (partially open discharge cell where 60G is pointing and completely open discharge cell where 60R is pointing).

Regarding claims 10-11, in figure 4, Huang discloses a first (where 60R is pointing), second where 60G is pointing), and third (where 60B is pointing) phosphor films arranged in open (partially open), closed (partially closed) , and open (partially open) discharge cells, respectively.

#### **Other Prior Art Cited**

Art Unit: 2879

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

De Zwart et al, US 6388644, disclose a color display device.

### **Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vip Patel whose telephone number is (571) 272-2458. The examiner can normally be reached on Monday-Thursday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh D Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



VIP PATEL  
PRIMARY EXAMINER  
ART UNIT 2879